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Substitute for form 1449A/PTO				<div style="text-align: right;"> <i>Complete if Known</i> 1449A/USPS (06-07) </div>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/S87,723
				Filing Date	February 3, 2005
				First Named Inventor	MILLER et al.
				Group Art Unit	
				Examiner Name	<u>Dunston</u>
Sheet	1	of	10	Attorney Docket Number	8325-0036.31 (S36-US3)

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code ² (if known)		
	A1	4,665,184		Dervan, et al.	05-12-1987
	A2	4,795,184		Dervan, et al.	06-03-1989
	A3	4,942,227		Dervan, et al.	07-17-1990
	A4	5,356,802		Chandrasegaran, S.	10-18-1994
	A5	5,436,150		Chandrasegaran, S.	07-25-1995
	A6	5,487,994		Chandrasegaran, S.	01-30-1996
	A7	5,789,155		Dervan, et al.	08-04-1998
	A8	5,789,538		Rebar, et al.	08-04-1998
	A9	5,792,640		Chandrasegaran, S.	08-11-1998
	A10	5,916,794		Chandrasegaran, S.	06-29-1999
	A11	5,945,577		Stice, et al.	08-31-1999
	A12	5,955,341		Kang, et al.	09-21-1999
	A13	6,007,988		Choo, et al.	12-28-1999
	A14	6,013,453		Choo, et al.	01-11-2000
	A15	6,077,710		Susko-Parrish, et al.	06-20-2000
	A16	6,140,081		Barbas	10-31-2000
	A17	6,140,466		Barbas, et al.	10-31-2000
	A18	6,147,276		Campbell, et al.	10-31-2000
	A19	6,242,568	B1	Barbas, et al.	06-05-2001
	A20	6,265,196	B1	Chandrasegaran, S.	07-24-2001
	A21	6,326,166		Pomerantz, et al.	12-04-2001
	A22	6,331,658		Cooper, et al.	12-18-2001
	A23	6,395,523		Kong, et al.	05-28-2002
	A24	6,453,242	B1	Eisenberg, et al.	09-17-2002
	A25	6,479,626	B1	Kim, et al.	11-12-2002
	A26	6,534,261	B1	Cox, et al.	03-18-2003
	A27	2002/0022021	A1	Emerson	02-21-2002
	A28	2002/0107214	A1	Choulitka, et al.	08-08-2002
	A29	2002/0110898	A1	Choulitka, et al.	08-15-2002
	A30	2002/0152488	A1	Cooper, et al.	10-17-2002
	A31	2003/0131365	A1	Cooper, et al.	07-10-2003
	A32	2003/0232410	A1	Lijedahl, et al.	12-18-2003
	A33	2004/0019002	A1	Choulitka, et al.	01-29-2004
	A34	2004/0121357	A1	Franklin, S.	06-24-2004
	A35	2005/0208489	A1	Carroll, et al.	09-22-2005

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		Office ³	Number ⁴	Kind Code		
	B1	WO	95/09233		Johns Hopkins University	04-06-1995
	B2	WO	96/40882		Ohio State University	12-19-1996
	B3	WO	97/47758		MIT, Einstein Coll. Med.	12-18-1997
	B4	WO	98/53058		Med. Res. Council	11-26-1998
	B5	WO	98/53059		Med. Res. Council	11-26-1998
	B6	WO	98/53060		Med. Res. Council	11-26-1998
	B7	WO	00/09755		Pangene Corporation	02-24-2000
	B8	WO	00/28008		Maxygen, Inc.	05-18-2000
	B9	WO	00/42219		Sangamo BioSciences, Inc.	07-20-2000
	B10	WO	00/46385		Child. Med. Cntr	08-10-2000
	B11	WO	00/46386		Child. Med. Cntr	08-10-2000
	B12	WO	00/63365		Pangene Corporation	10-26-2000
	B13	WO	01/05961		Clontech Lab Inc.	01-25-2001
	B14	WO	01/19981		Sangamo BioSciences, Inc.	03-22-2001
	B15	WO	01/40798		Sangamo BioSciences, Inc.	06-07-2001
	B16	WO	01/66717		University of Utah	09-13-2001
	B17	WO	02/04488		Sangamo BioSciences, Inc.	01-17-2002
	B18	WO	03/080809		Stell	10-02-2003
	B19	WO	03/087341		Univ. of Utah	10-23-2003
	B20	EP	0 957 165		Roche	11-17-1999

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				T ¹
	C1	Aggarwal, et al., "Novel Site-Specific DNA Endonucleases," <i>Current Opinion in Structural Biology</i> 8:19-25 (1998)				
	C2	Abremski, et al., "Bacteriophage P1 Site Specific Recombination," <i>J. Biol. Chem.</i> 259:1509-1514 (1984)				
	C3	Akopian, et al., "Chimeric Recombinases with Designed DNA Sequence Recognition," <i>Proc. Natl. Acad. Sci. USA</i> 100:8688-8691 (2003)				
	C4	Baubonis, et al., "Genomic Targeting with Purified Cre Recombinase," <i>Nucleic Acids Res.</i> 21:2025-2029 (1993)				

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³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

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C5	Beerli, et al., "Engineering Polydactyl Zinc-Finger Transcription Factors," <i>Nature Biotechnology</i> <u>20</u> :135-141 (2000)	
C6	Bibikova, et al., "Stimulation of Homologous Recombination through Targeted Cleavage by Chimeric Nucleases," <i>Molecular and Cellular Biology</i> <u>21</u> (1):289-297 (2001)	
C7	Bibikova, et al., "Targeted Chromosomal Cleavage and Mutagenesis in Drosophila Using Zinc-Finger Nucleases," <i>Genetics</i> <u>161</u> :1169-1175 (2002)	
C8	Bibikova, et al., "Enhancing Gene Targeting with Designed Zinc Finger Nucleases," <i>Science</i> <u>300</u> :764 (2003) INCLUDING SUPPORTING ONLINE MATERIALS	
C9	Bitniate, et al., "FokI Dimerization is Required for DNA Cleavage," <i>Proc. Natl. Acad. Sci.</i> <u>95</u> :10570-10575 (1998)	
C10	Brenneman, et al., "Stimulation of Intrachromosomal Homologous Recombination in Human Cells by Electroporation with Site Specific Endonucleases," <i>Proc. Natl. Acad. Sci.</i> <u>93</u> :3608-3612 (1996)	
C11	Brisson, et al., "Expression of a Bacterial Gene in Plants by Using a Viral Vector," <i>Nature</i> <u>310</u> :511-514 (1984)	
C12	Brogie, et al., "Light Regulated Expression of a Pea Ribulose-1, 5-Biphosphate Carboxylase Small Subunit Gene in Transformed Plant Cells," <i>Science</i> <u>224</u> :838-843 (1984)	
C13	Campbell, et al., "Sheep Cloned by Nuclear Transfer from a Cultured Cell Line," <i>Nature</i> <u>380</u> :64-66 (1996)	
C14	Cappechi, et al., "Altering the Genome by Homologous Recombination," <i>Science</i> <u>244</u> :1288-1292 (1989)	
C15	Chandrasegaran, et al., "Chimeric Restriction Enzymes: What is Next?" <i>Biol Chem.</i> <u>380</u> :841-848 (1999)	
C16	Chevalier, et al., "Design, Activity, and Structure of a Highly Specific Artificial Endonuclease," <i>Molecular Cell</i> <u>10</u> :895-905 (2002)	
C17	Chouluka, et al., "Induction of Homologous Recombination in Mammalian Chromosomes by using the I-SceI System of <i>Saccharomyces cerevisiae</i> ," <i>Molecular and Cellular Biology</i> <u>15</u> (4):1968-1973 (1995)	

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Sheet	4	of	10	Attorney Docket Number	8325-0036.31 (S36-US3)

C18	Cohen-Tannoudji, et al., "1-Scel-Induced Gene Replacement at a Natural Locus in Embryonic Stem Cells," <i>Molecular and Cellular Biology</i> 18(3):1444-1448 (1998)	
C19	Corruzzi, et al., "Tissue Specific and Light-Regulated Expression of a Pea Nuclear Gene Encoding the Small Subunit of Ribulose-1, 5-Biphosphate Carboxylase," <i>Embo. J.</i> 3:1671-1679 (1984)	
C20	Desjarlais, et al., "Use of a Zinc-Finger Consensus Sequence Framework and Specificity Rules to Design Specific DNA Binding Proteins," <i>Proc. Natl. Acad. Sci. USA</i> 90:2256-2260 (1993)	
C21	Desjarlais, et al., "Towards Rules Relating Zinc Finger Protein Sequences and DNA Binding Site Preferences," <i>Proc. Natl. Acad. Sci. USA</i> 89:7345-7349 (1992)	
C22	Donoho, et al., "Analysis of Gene targeting and Intrachromosomal Homologous Recombination Stimulated by Genomic Double-Strand Breaks in Mouse Embryonic Stem Cells," <i>Molecular and Cellular Biology</i> 18(7):4070-4078 (1998)	
C23	Dreier, et al., "Development of Zinc Finger Domains for Recognition of the 5'-Aaa-3' Family of DNA Sequences and Their Use in the Construction of Artificial Transcription Factors," <i>J. Biol. Chem.</i> 276(31):29466-29478 (2001)	
C24	Edelstein, et al., "Gene therapy clinical trials worldwide 1989-2004-an overview," <i>J. Gene Med.</i> 6:597-602 (2004)	
C25	Elliot, et al., "Gene Conversion Tracts from Double Strand Break Repair in Mammalian Cells," <i>Molecular and Cellular Biology</i> 18(1):93-101 (1998)	
C26	Elrod-Erickson, et al., "Binding Studies with Mutants of Zif268," <i>J. Biol. Chem.</i> 274(27):19281-19285 (1999)	
C27	Evans, et al., Establishment in Culture of Pluripotential Cells from Mouse Embryos," <i>Nature</i> 292:154-156 (1981)	
C28	Ferguson-Smith, "Imprinting and the Epigenetic Asymmetry Between Parental Genomes," <i>Science</i> 293:1086-1089 (2001)	
C29	Gorlich, et al., "Nucleocytoplasmic Transport," <i>Science</i> 271:1513-1518 (1996)	
C30	Greisman, et al., "A General Strategy for Selecting High-Affinity Zinc Finger Proteins for Diverse DNA Target Sites," <i>Science</i> 275:657-661 (1997)	

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Sheet	5	of	10

C31	Gowda, <i>et al.</i> , "Identification of Promoter Sequences for the Major RNA Transcripts of Figwort Mosaic and Peanut Chlorotic Streak Virus (Caulimovirus Group)," <i>J. Cell. Biochem.</i> <u>13D</u> :301 (1989)	
C32	Gu, <i>et al.</i> , "Independent Control of Immunoglobulin Switch Recombination at Individual Switch Regions Evidenced through Cre-loxP-Mediated Gene Targeting," <i>Cell</i> <u>73</u> :1155-1164 (1993)	
C33	Gu, <i>et al.</i> , "Deletion of a DNA Polymerase B Gene Segment in T Cells Using Cell Type-Specific Gene Targeting," <i>Science</i> <u>265</u> :103-106 (1994)	
C34	Gurley, <i>et al.</i> , "Upstream Sequences Required for Efficient Expression of a Soybean Heat Shock Gene," <i>Mol. Cell. Biol.</i> <u>6</u> :559-565 (1986)	
C35	Hanson, <i>et al.</i> , "Analysis of Biological Selections for High-Efficiency Gene Targeting," <i>Mol. Cell. Biol.</i> <u>15</u> :45-51 (1995)	
C36	Hicks, <i>et al.</i> , "Three Classes of Nuclear Import Signals Bind to Plant Nuclei," <i>Plant Physiol.</i> <u>107</u> :1055-1058 (1995)	
C37	Huang, <i>et al.</i> , "Splase: A New Class IIS Zinc-Finger Restriction Endonuclease with Specificity for Sp1 Binding Sites," <i>Journal of Protein Chemistry</i> <u>15</u> (5):481-489 (1996)	
C38	Jallepalli, <i>et al.</i> , "Securin is Required for Chromosomal Stability in Human Cells," <i>Cell</i> <u>105</u> :445-457 (2001)	
C39	Jaenisch, "Transgenic Animals," <i>Science</i> <u>240</u> :1468-1474 (1988)	
C40	Jasin, "Genetic Manipulation of Genomes with Rare-Cutting Endonucleases," <i>Trends Genet.</i> <u>12</u> :224-228 (1996)	
C41	Jeggio, <i>et al.</i> , "Identification of Genes Involved in Repair of Dna Double-Strand Breaks in Mammalian Cells," <i>Radiation Research</i> <u>150</u> :S80-S91 (1998)	
C42	Johnson, <i>et al.</i> , "Double-Strand-Break-Induced Homologous Recombination in Mammalian Cells," <i>Biochemical Society Transactions</i> <u>29</u> :196-201 (2001)	
C43	Khanna, <i>et al.</i> , "DNA Double-Strand Breaks: Signaling, Repair and the Cancer Connection," <i>Nature Genetics</i> <u>27</u> :247-254 (2001)	

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C44	Kim, <i>et al.</i> , "Construction of a Z-Dna-Specific Restriction Endonuclease," <i>Proc. Natl. Acad. Sci. USA</i> <u>94</u> :12875-12879 (1997)	
C45	Kim, <i>et al.</i> , "Hybrid Restriction Enzymes: Zinc Finger Fusions of FokI Cleavage Domain," <i>Proc. Natl. Acad. Sci. USA</i> <u>93</u> :1156-1160 (1996)	
C46	Kim, <i>et al.</i> , "Chimeric Restriction Endonuclease," <i>Proc. Natl. Acad. Sci. USA</i> <u>91</u> :883-887 (1994)	
C47	Kim, <i>et al.</i> , "Chimeric Restriction Enzyme: Gal4 Fusion to FokI Cleavage Domain," <i>Biol. Chem.</i> <u>379</u> :489-495 (1998)	
C48	Kim, <i>et al.</i> , "Insertion and Deletion of Mutants of FokI Restriction Endonuclease," <i>Journal of Biol. Chem.</i> <u>269</u> (50):31978-31982 (1994)	
C49	Klein, <i>et al.</i> , "Transformation of Microbes, Plants and Animals by Particle Bombardment," <i>Bio/Techniques</i> <u>10</u> :286-291 (1992)	
C50	Klein, <i>et al.</i> , "High-Velocity Microprojectiles for Delivering Nucleic Acids into Living Cells," <i>Nature</i> <u>321</u> :70-73 (1987)	
C51	Kuehn, <i>et al.</i> , "A Potential Animal Model for Lesch-Nyhan Syndrome Through Introduction of HPRT Mutations into Mice," <i>Nature</i> <u>326</u> :295-298 (1987)	
C52	Lai, <i>et al.</i> , "Production of a-1,3-Galactosyltransferase Knockout Pigs by Nuclear Transfer Cloning," <i>Science</i> <u>295</u> :1089-1092 (2002)	
C53	Li, <i>et al.</i> , "Alteration of the Cleavage Distance of FokI Restriction Endonuclease by Insertion Mutagenesis," <i>Proc. Natl. Acad. Sci. USA</i> <u>90</u> :2764-2768 (1993)	
C54	Li, <i>et al.</i> , "Functional Domains in FokI Restriction Endonuclease," <i>Proc. Natl. Acad. Sci. USA</i> <u>89</u> :4275-4279 (1992)	
C55	Liu, <i>et al.</i> , "Validated Zinc Finger Protein Designs for All 16 GNN DNA Triplet Targets," <i>J. Biol. Chem.</i> <u>277</u> (6):3850-3856 (2002)	
C56	Luo, <i>et al.</i> , "Synthetic DNA delivery systems," <i>Nature Biotechnology</i> <u>18</u> :33-37 (2000)	

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C57	Mattaj, et al., "Nucleocytoplasmic Transport: The Soluble Phase," <i>Annu. Rev. Biochem.</i> <u>67</u> :265-306 (1998)	
C58	McCreath, et al., "Production of Gene-Targeted Sheep by Nuclear Transfer from Cultured Somatic Cells," <i>Nature</i> <u>403</u> :1066-1069 (2000)	
C59	Nahon, et al., "Targeting a Truncated Ho-Endonuclease of Yeast to Novel DNA Sites with Foreign Zinc Fingers," <i>Nucleic Acids Research</i> <u>26</u> (5):1233-1239 (1998)	
C60	Odell, et al., "Identification of DNA Sequences Required for Activity of the Cauliflower Mosaic Virus 35S Promoter," <i>Nature</i> <u>313</u> :810-812 (1985)	
C61	Pabo, et al., "Design and Selection of Novel Cys2his2 Zinc Finger Proteins," <i>Annu. Rev. Biochem.</i> <u>70</u> :313-340 (2001)	
C62	Palu, et al., "In pursuit of new developments for gene therapy of human diseases," <i>J. Biotechnol</i> <u>68</u> :1-13 (1999)	
C63	Porteus, et al., "Efficient Gene Targeting Mediated by Adeno-Associated Virus and DNA Double-Strand Breaks," <i>Mol. Cell. Biol.</i> <u>23</u> :3558-3565 (2003)	
C64	Porteus, et al., "Chimeric Nucleases Stimulate Gene Targeting in Human Cells," <i>Science</i> <u>300</u> :763 (2003) INCLUDING SUPPORTING ONLINE MATERIALS	
C65	Puchta, et al., "Homologous Recombination in Plant Cells is Enhanced by In Vivo Induction of Double Strand Breaks into DNA by a Site-Specific Endonuclease," <i>Nucleic Acids Res.</i> <u>21</u> :5034-5040 (1993)	
C66	Rebar, et al., "Zinc Finger Phage: Affinity Selection of Fingers with New DNA-Binding Specificities," <i>Science</i> <u>263</u> :671-673 (1994)	
C67	Ridout III, et al., "Nuclear Cloning and Epigenetic Reprogramming of the Genome," <i>Science</i> <u>293</u> :1093-1098 (2001)	
C68	Rouet, et al., "Expression of a Site-Specific Endonuclease Stimulates Homologous Recombination in Mammalian Cells," <i>Proc. Natl. Acad. Sci. USA</i> <u>91</u> :6064-6068 (1994)	
C69	Rouet, et al., "Introduction of Double-Strand Breaks into the Genome of Mouse Cells by Expression of a Rare-Cutting Endonuclease," <i>Molecular and Cellular Biology</i> <u>14</u> (12):8096-8106 (1994)	

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C70	Sanford, <i>et al.</i> , "An Improved, Helium-Driven Biolistic Device," <i>Tech.-A J. of Meth. In Cell and Mol. Biol.</i> 3:3-16 (1991)	
C71	Sapranaukas, <i>et al.</i> , "Novel Subtype of Type IIs Restriction Enzymes: BfiI Endonuclease Exhibits Similarities to the Edta-resistant Nuclease nuc of <i>Salmonella Typhimurium</i> ," <i>J. Biol. Chem.</i> 275:30878-30885 (2000)	
C72	Sargent, <i>et al.</i> , "Repair of Site-Specific Double-Strand Breaks in a Mammalian Chromosome by Homologous and Illegitimate Recombination," <i>Molecular and Cellular Biology</i> 17(1):267-277 (1997)	
C73	Schnieke, <i>et al.</i> , "Human Factor IX Transgenic Sheep Produced by Transfer of Nuclei from Transfected Fetal Fibroblasts," <i>Science</i> 278:2130-2133 (1997)	
C74	Sedivy, <i>et al.</i> , "Positive Genetic Selection for Gene Disruption in Mammalian Cells by Homologous Recombination," <i>Proc. Natl. Acad. Sci. USA</i> 86:227-231 (1989)	
C75	Segal, <i>et al.</i> , "Endonuclease-Induced, Targeted Homologous Extrachromosomal Recombination in <i>Xenopus</i> Oocytes," <i>Proc. Natl. Acad. Sci. USA</i> 92:806-810 (1995)	
C76	Segal, <i>et al.</i> , "Toward Controlling Gene Expression at Will: Selection and Design of Zinc Finger Domains Recognizing Each of the 5'-GNN-3' DNA Target Sequences," <i>Proc. Natl. Acad. Sci. USA</i> 96:2758-2763 (1999)	
C77	Segal, D. J., "The Use of Zinc Finger Peptides to Study the Role of the Specific factor Binding Sites in the Chromatin Environment," <i>Methods</i> 26:76-83 (2002)	
C78	Sera, <i>et al.</i> , "Rational Design of Artificial Zinc-Finger Proteins Using a Nondegenerate Recognition Code table," <i>Biochemistry</i> 41:7074-7081 (2002)	
C79	Severin, <i>et al.</i> , "Heat-Inducible Hygromycin Resistance in Transgenic Tobacco," <i>Plant Mol. Biol.</i> 15:827-833 (1990)	
C80	Shi, <i>et al.</i> , "Specific DNA-RNA Hybrid Binding by Zinc Finger Proteins," <i>Science</i> 268:282-284 (1995)	
C81	Shin, <i>et al.</i> , "A Cat Cloned by Nuclear Transplantation," <i>Nature</i> 415:859 (2002)	
C82	Shillito, <i>et al.</i> , "Protoplast Isolation and Transformation," <i>Plant Mol. Bio.-A Prac. App.</i> , Shaw, ed., IRL Press, pp. 161-186 (1988)	

Examiner Signature		Date Considered	
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			Application Number	10/587,723
			Filing Date	February 3, 2005
			First Named Inventor	MILLER et al.
			Group Art Unit	
Examiner Name				
Attorney Docket Number	8325-0036.31 (S36-US3)			

Sheet	9	of	10
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C83	Smih, et al., "Double Strand Breaks at the target Locus Stimulate Gene targeting in Embryonic Stem Cells," <i>Nuc. Acids Res.</i> 23 (24):5012-5019 (1995)	
C84	Smith, et al., "A Detailed Study of the Substrate Specificity of a Chimeric Restriction Enzyme," <i>Nuc. Acids Res.</i> 27 (2):674-681 (1999)	
C85	Smith, et al., "Requirements for Double-Strand Cleavage by Chimeric Restriction Enzymes with Zinc Finger DNA Recognition Domains," <i>Nuc. Acids Res.</i> 28 (17):3361-3369 (2000)	
C86	Stenberg, et al., "Bacteriophage P1 Site-Specific Recombination," <i>J. Mol. Biol.</i> 150 :467-507 (1981)	
C87	Taghian, et al., "Chromosomal Double-Strand Breaks Induce Gene Conversion at High Frequency in Mammalian Cells," <i>Mole. And Cell. Biol.</i> 17 (11):6386-6393 (1997)	
C88	Takamatsu, et al., "Expression of Bacterial Chloramphenicol Acetyltransferase Gene in Tobacco Plants Mediated by TMV-RNA," <i>EMBO J.</i> 6 :307-311 (1987)	
C89	Takata, et al., "Homologous Recombination and Non-Homologous End-Joining Pathways of DNA Double-Strand Break Repair Have Overlapping Roles in the Maintenance of Chromosomal Integrity in Vertebrate Cells," <i>EMBO J.</i> 17 :5497-5508 (1998)	
C90	Thierry, et al., "Cleavage of Yeast and Bacteriophage T4 Genomes at a Single Site Using the Rare Cutter Endonuclease I-Sce I," <i>Nucleic Acids Res.</i> 19 :189-190 (1991)	
C91	Velten, et al., "Isolation of a Dual Plant Promoter Fragment from the Ti Plasmid of Agrobacterium Tumefaciens," <i>EMBO J.</i> 3 :2723-2730 (1984)	
C92	Verma, et al., "Gene therapy—promises, problems and prospects," <i>Nature</i> 389 :239-242 (1997)	
C93	Verma, et al., "Gene Therapy: Twenty-First Century Medicine," <i>Annual Review of Biochemistry</i> 74 :711-738 (2005)	
C94	Wah, et al., "Structure of the Multimodular Endonuclease FokI Bound to DNA," <i>Nature</i> 388 :97-100 (1997)	
C95	Wang, et al., "Single-stranded Oligonucleotide-mediated Gene Repair in Mammalian Cells has a Mechanism Distinct from Homologous Recombination Repair," <i>Biochemical and Biophysical Research Communications</i> 350 :568-573 (2006)	

Examiner Signature		Date Considered	
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Sheet	10	of	10
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C96	Wilmot, et al., "Viable Offspring Derived from Fetal and Adult Mammalian Cells," <i>Nature</i> 385:810-813 (1997)	
C97	Wilson, J. H., "Pointing Fingers at the Limiting Step in Gene targeting," <i>Nature Biotechnology</i> 21(7):759-760 (2003)	
C98	Wolfe, et al., "Beyond the Recognition Code: Structures of Two Cys2His2 Zinc Finger/TATA Box Complexes," <i>Structure</i> 9:727-723 (2001)	
C99	Wolfe, et al., "DNA Recognition by Cys2His2 Zinc Finger Proteins," <i>Annu. Rev. Biophys. Biomol. Struct.</i> 3:183-212 (1999)	
C100	Xu, et al., "Engineering a Nicking Endonuclease N. A1w1 by Domain Swapping," <i>PNAS</i> 98(23):12990-12995 (2001)	
C101	Yanez, et al., "Therapeutic Gene targeting," <i>Gene Therapy</i> 5:149-159 (1998)	
C102	Zuffrey, et al., "Woodchuck Hepatitis Virus Posttranscriptional Regulatory Element Enhances Expression of Transgenes Delivered by Retroviral Vectors," <i>Journal of Virology</i> 73(4): 2836-2892 (1999)	

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